

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

**AXIAL AIR GAP TYPE MOTOR**

Patent Number: JP60249859  
Publication date: 1985-12-10  
Inventor(s): SHIRAKI MANABU; others: 02  
Applicant(s):: YOSHITERU TAKAHASHI  
Requested Patent: ☐ JP60249859  
Application Number: JP19840101720 19840522  
Priority Number(s):  
IPC Classification: H02K29/00  
EC Classification:  
Equivalents:

---

**Abstract**

---

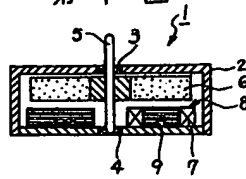
**PURPOSE:**To obtain a large rotary torque with smooth torque ripple by winding toroidal coils at the positions separated by even number magnification of field pole width on an annular yoke to form a set of armature coils, and providing a plurality of sets of coils not superposed with the armature coil.

**CONSTITUTION:**An annular stator yoke 43 is provided oppositely to even pole number of field magnets 47 alternately having N and S poles. Leads are wound in many turns in a toroidal shape to form the first conductor unit 49a, conductors are wound in many turns in a toroidal shape at the position separated by even number magnification of the field pole with from there to form the second conductor 49-1, currents flow both conductors in the same direction to form a set of armature coil 49. Further, a plurality of set of such conductor combinations are formed so as not to superpose with the armature coil on the same yoke 43 to form an armature 48.

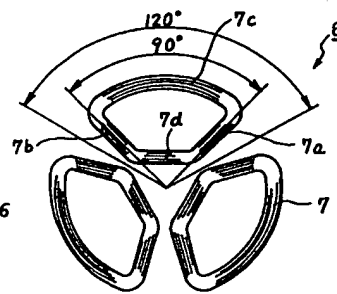
---

Data supplied from the esp@cenet database - I2

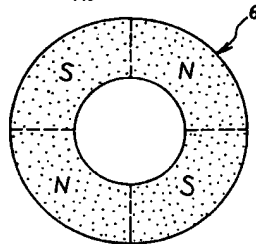
第 1 図



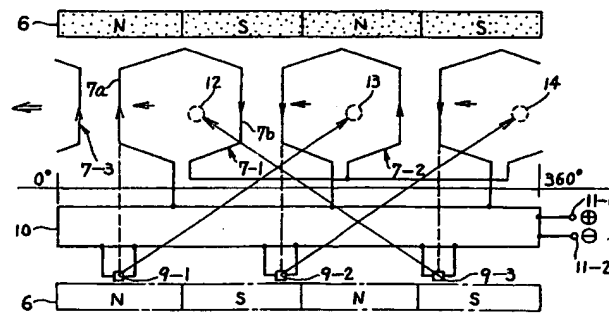
第 2 図



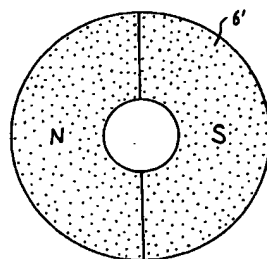
第 3 図



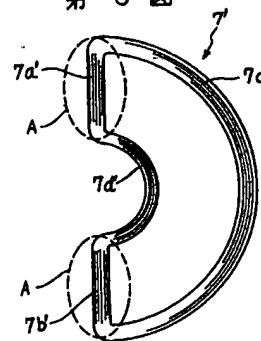
第 4 図



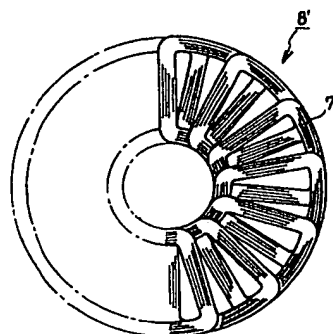
第 5 図



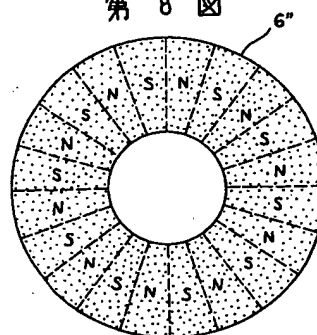
第 6 図



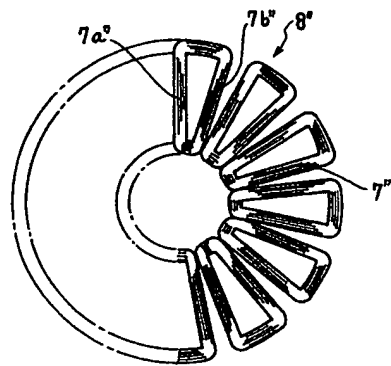
第 7 図



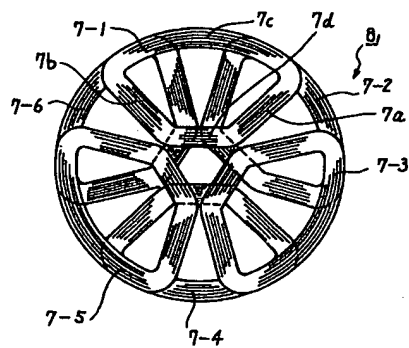
第 8 図



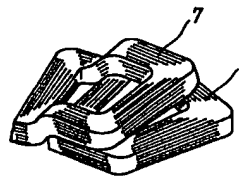
第 9 図



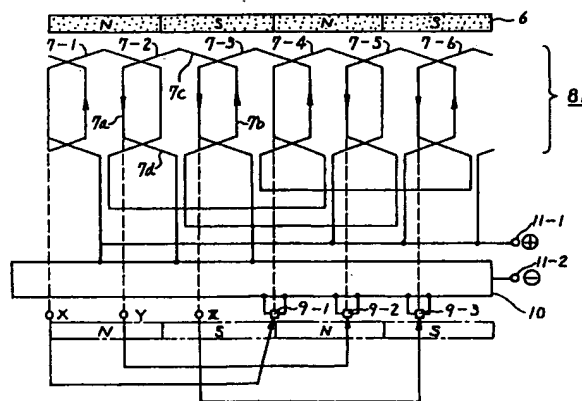
第 10 図



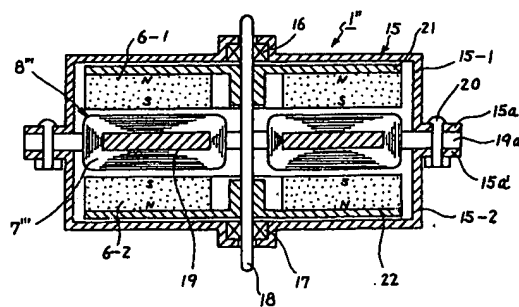
第 11 図



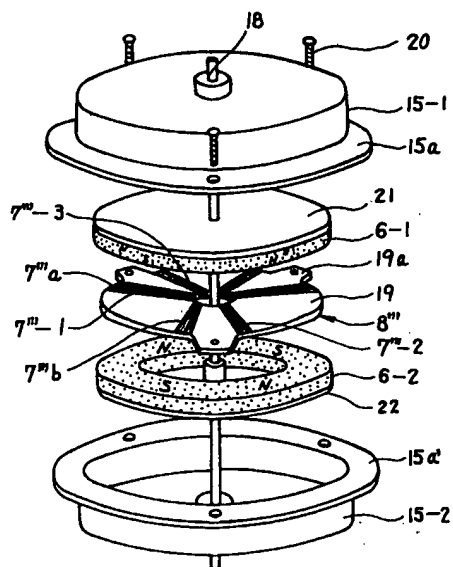
第 12 図



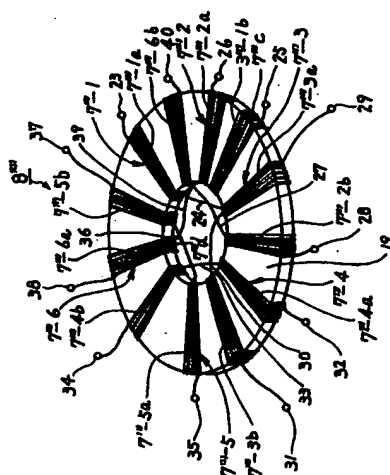
第 13 図



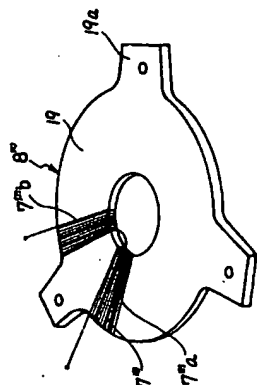
第 14 図



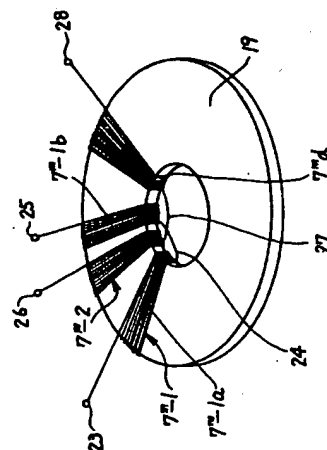
第 16 図



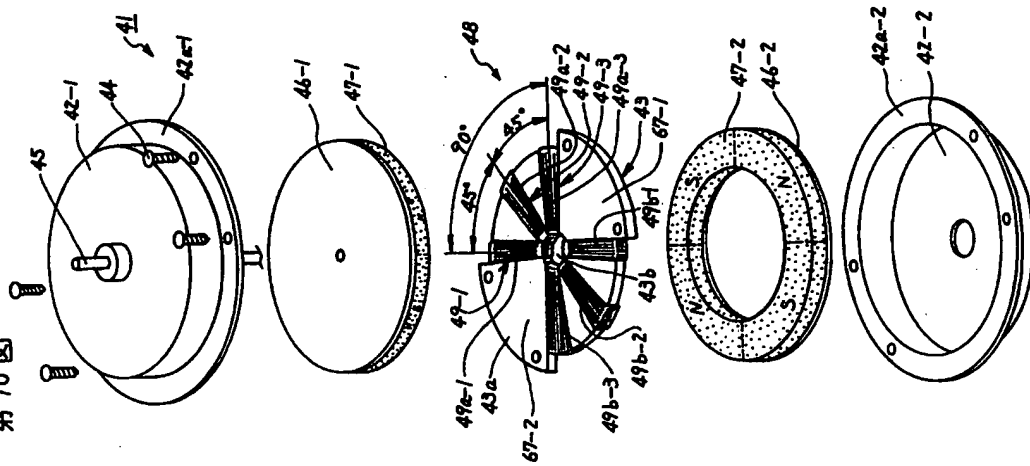
第 15 図



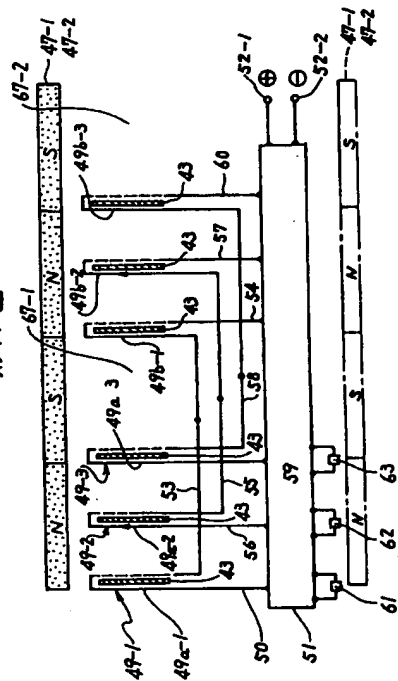
第 17 図



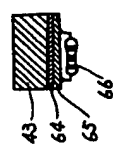
第18図



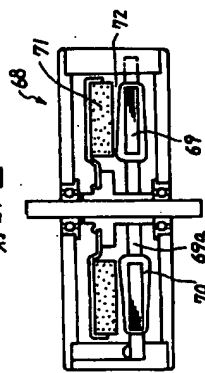
第19図



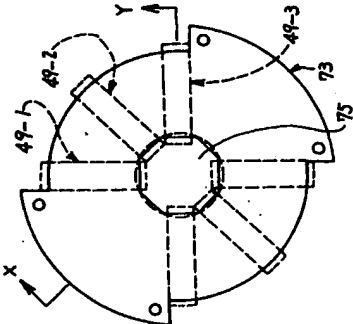
第20図



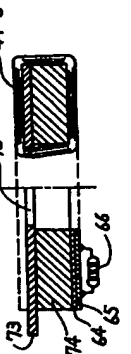
第21図



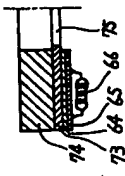
第22図



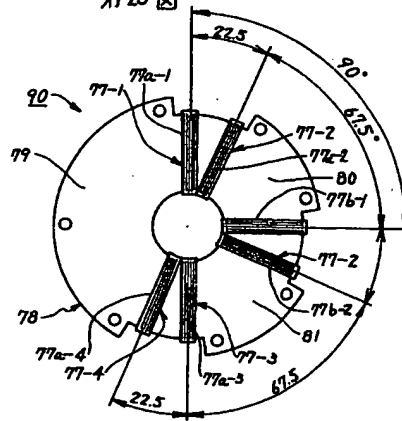
第23図



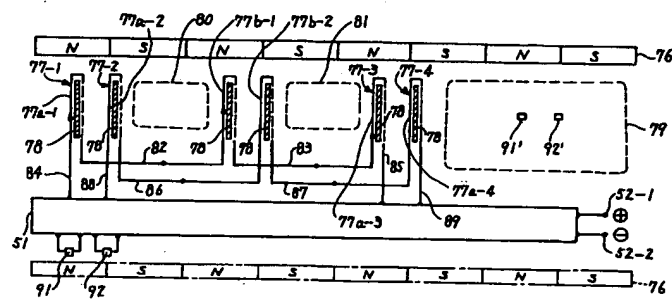
第24図



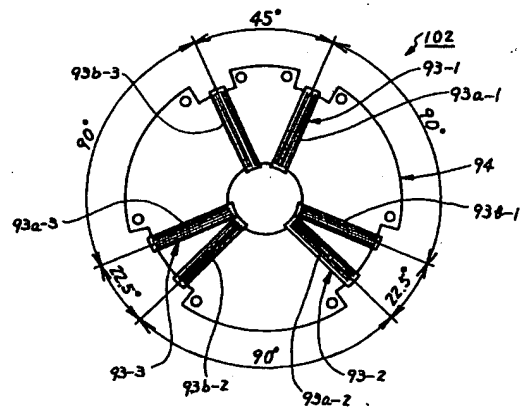
第 25 図



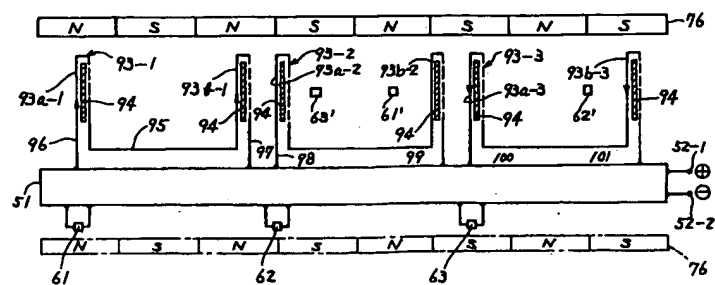
第 26 图



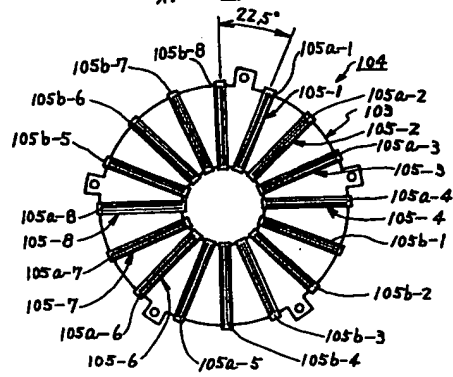
第 27 図



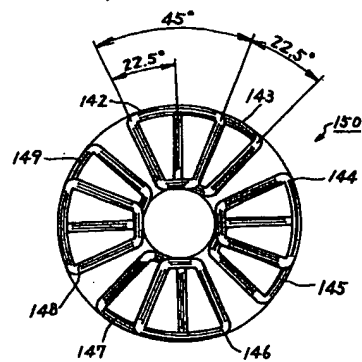
第 28 図



第29図



第31図



第30図

